



In2digi D-MB-2 Installation Instructions

There are 3 parts to installing the in2digi D-MB-2 in Mercedes Benz vehicles

- 1) Install the Antenna
- 2) Configure the Audio system to enable DAB
- 3) Install the D-MB-2 Tuner (including installing latest software when required)

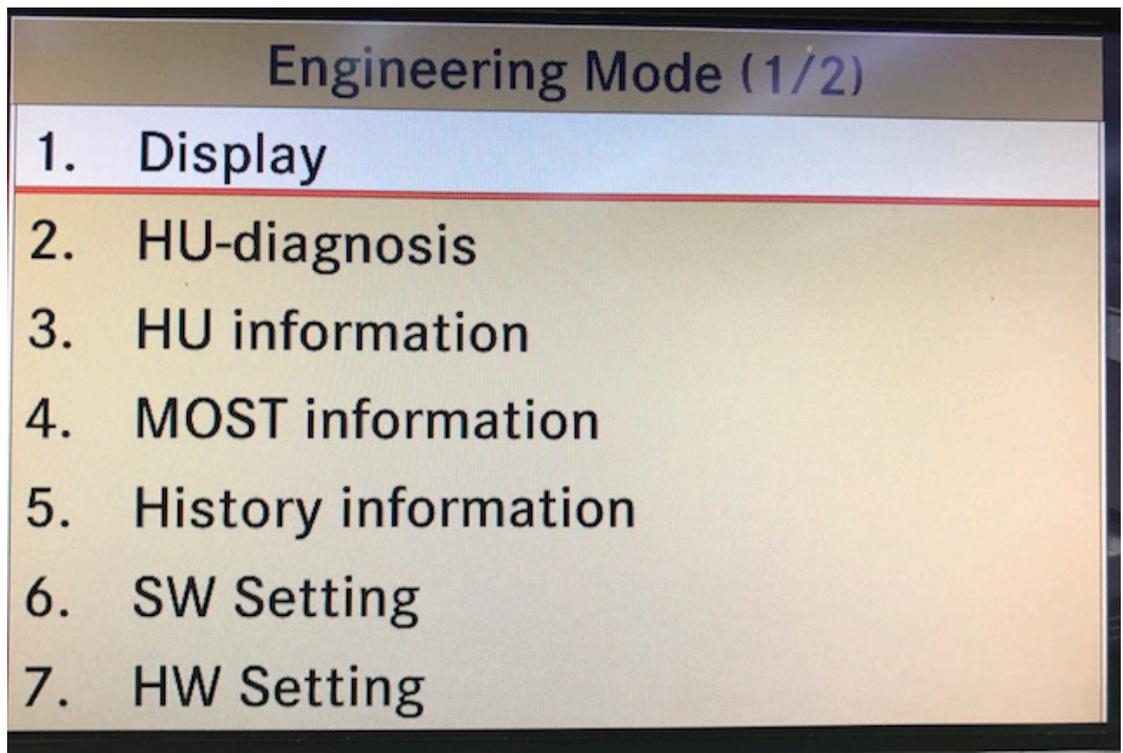
You can configure the audio system after installing the tuner, but you will need to update the software on the D-MB-2 after the system is configured.

- 1) Install the Antenna
 - a. Please follow the instructions supplied with your antenna. The antenna should be a few cm away from the metal uprights or the top of the windscreen and should be placed vertically. Remember to clean the inside of the windscreen before installation.
 - b. Run the cable down the A-pillar ensuring it cannot interfere with an airbag in the A-pillar into the foot-well.
- 2) Configure the Audio-System
 - a. In the case of the Audio-20 and the Audio-50 and COMAND NTG2.5/NTG3 you need to visit your Mercedes Benz dealer and ask them to have option code 537 and code 4FN and ""in2digi DAB module retrofit" to group 82 Field Organisation text"" added to the vehicle's data-card and then they must SCN code the Audio-20/Audio-50/COMAND using their online Xentry Diagnosis system to enable the DAB menu on the stereo.
 - b. In the case of the COMAND NTG4, NTG4-W212 and NTG4.5 systems, you can turn on the DAB from the engineering menu. You must enable the MOST fibre optic connection and enable DAB. We do suggest having the vehicle's data-card updated as described above to avoid it all being turned off during a service visit accidentally.

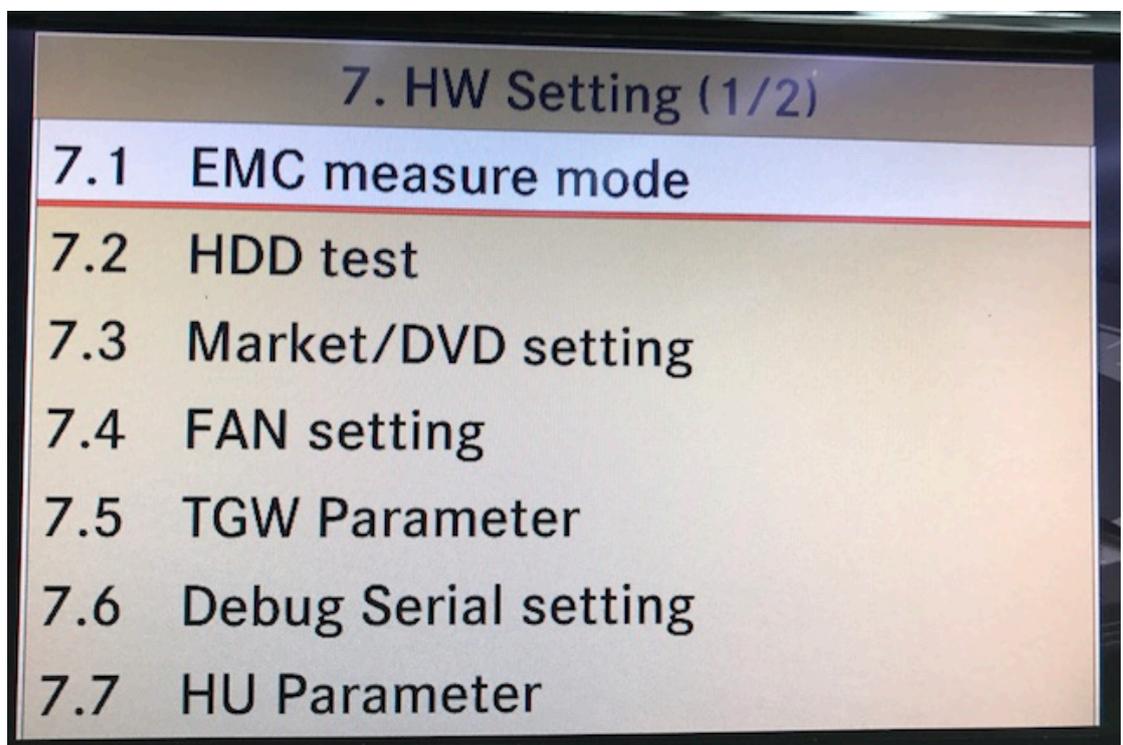
Enabling the MOST and configuring DAB is done as follows: -

Enter Engineering mode by holding down the following 3 keys on the COMAND for about 10 seconds: -

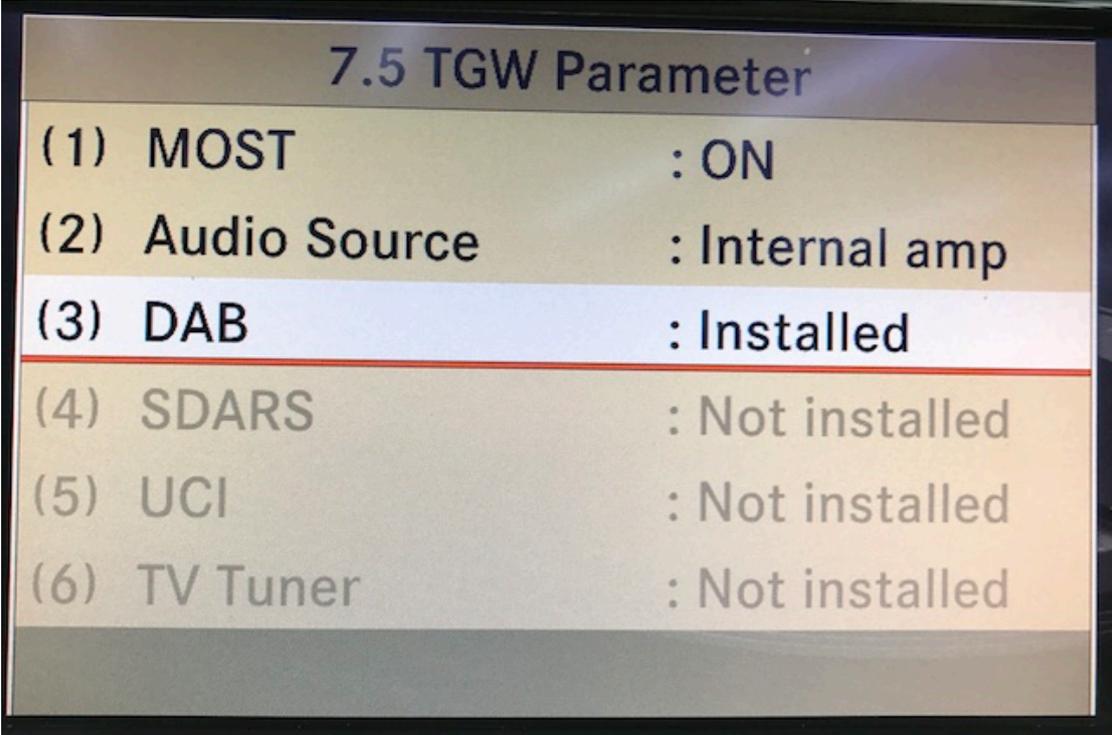
Phone-Hangup, 1, #



Go into the HW Settings menu by rotating the rotary control knob until it is highlighted and then pressing on it. It may be on the second page, so you'll have to rotate to the bottom entry on the page, and then pull the controller toward the back of the car to go to the 2nd page.

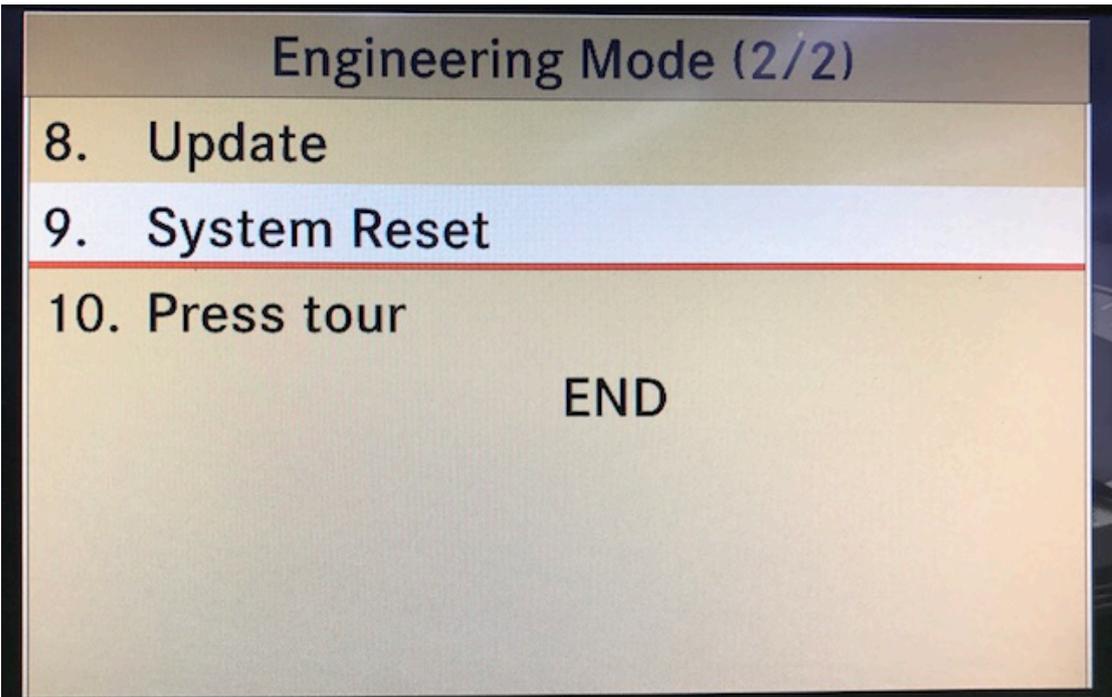


Go into the TGW settings and ensure MOST is ON and DAB is set to Installed.



| 7.5 TGW Parameter | |
|-------------------|-----------------|
| (1) MOST | : ON |
| (2) Audio Source | : Internal amp |
| (3) DAB | : Installed |
| (4) SDARS | : Not installed |
| (5) UCI | : Not installed |
| (6) TV Tuner | : Not installed |

Press the backup-key next to the rotary control knob two or three times until you are back at the original engineering mode menu, scroll to P2 of the menu by rotating the control until the last menu item, and then moving it toward the rear of the vehicle. Select RESET and press the knob and answer Yes to any question.



| Engineering Mode (2/2) | |
|------------------------|-----|
| 8. Update | |
| 9. System Reset | |
| 10. Press tour | |
| | END |

3) Install the D-MB-2 Tuner

- a. The D-MB-2 tuner can be used on a variety of Mercedes-Benz audio systems but there is different software for different systems (the product packaging will have an attached label that will state the system software application that is pre-loaded to the module. If no external identification label exists then it may be assumed that the pre-loaded software is for the NTG4.5 system platform). Please be advised that the module may not have the respective latest software version so it is always useful to check the latest software that is found from visiting the Product Support pages on www.in2digi.com – please download this directly onto an empty USB memory stick (which must be formatted as FAT32). You must also note that the USB stick download and its usage is for a single shot process as the file is renamed as part of the update process.
The downloaded filename must be of the form DAB_UPDA.BIN.
- b. Remove the stereo – See Appendix A
- c. Work out where you will fix the tuner module - on W176, W246, W117, W156 you can place it on the transmission tunnel under the centre console. On W164/X164 you can place it on the shelf below Audio/COMAND if you do not have the pop out drawer below the air-con controls. On other vehicles we recommend fitting it in the passenger foot-well, either on the side of the foot-well, or on the bottom or behind the metal plate in the foot-well.
- d. The unit needs permanent power, we suggest you get this from the 12V feed to the stereo and it is then recommended that you add a 5A fuse near the connection to the power to the stereo – this will be a thick red or red/white or red/black cable. You can get ground from a suitable ground point in the foot-well or from the thick brown ground wire for the stereo.
- e. Configure the MOST fibre. The MOST fibre is a loop that goes from the head-unit via each fibre optic control unit and back to the head-unit.

If there is no fibre in the car, then remove the joiner (rectangular black device) from our fibre loom (the top unclips, then the fibre releases using a small screwdriver) and insert in the unused chamber of the 2 pole connector, which then slips into the quadlock (the large connector that plugs into the head-unit) after it has been unplugged from the head-unit.

The picture below shows a disassembled joiner, with the release clip circled in red.



- If there is fibre in the vehicle already then you need to remove the fibre from the connector coming out of the COMAND unit (remove the 2 pole shell from the quadlock by very carefully releasing the catch), remove the blue lock from the 2 pole shell. Look at the 2-pole shell, it has arrows on it, remove the one with the arrow pointing towards the fibres by releasing the catch. Connect this to joiner, and make sure that it is connected to the new 2-pole connector with the arrow pointing toward the fibre. Plug the other fibre into the vacated position and put the blue lock back in, and put it back into the quadlock and plug back into the head-unit.
- f. Plug in the antenna and affix any spare antenna cable against a metal surface in a big loop.
 - g. Plug the USB memory stick with the latest /correct software into the USB port of the D-MB-2. The filename of the update will be DAB_UPDA.BIN, disconnect the power (if it was connected), connect the power after a few seconds and turn on the Audio/COMAND unit. Wait 30 seconds, remove the memory stick and go back to a local computer to check that USB stick file has been renamed to DAB_UPDA .YES - if this did not happen, please try again with a different USB stick.
 - h. Turn off/on the stereo, and it should now see the DAB tuner is present. Perform an AUTOSTORE - which will reset the device and scan for stations. When completed you should see many stations and have audio.
 - i. Re-assemble the vehicle.

Please note that if you are regularly installing D-MB-2 DAB tuners you will need to copy the software to your USB stick every time as it is renamed as part of the installation. You may like to store a local copy. Any product software update must always have the USB stick filename to be of the form DAB_UPDA .BIN

Appendix A: Stereo Removal.

Please look on YouTube there are plenty of videos.

V0.5 12th March 2017